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PHOTOGRAPHIC INTERPRETATION REPORT





NPIC/R-403/66 JANUARY 1967

GROUP 1 EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION Approved For Release 2000/04/17 : CIA-RDP78B04560A005700010004-2

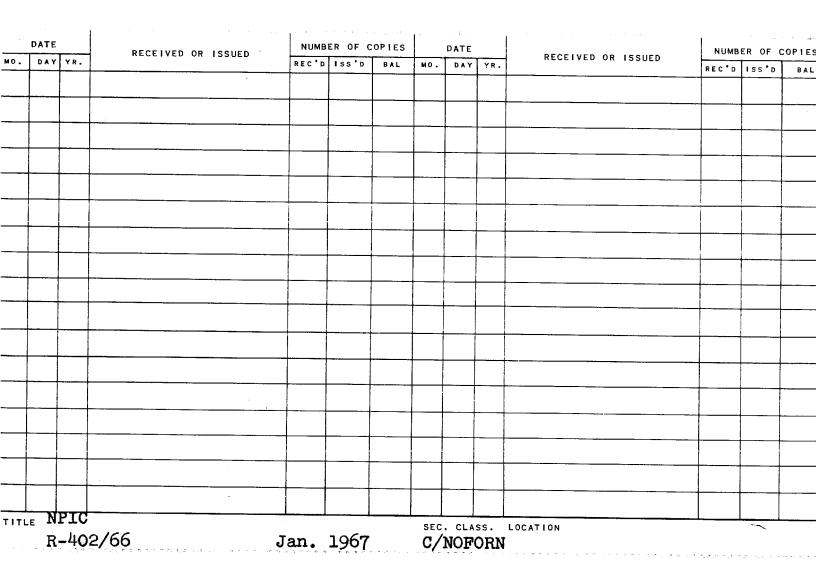
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PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the index (MI) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

Map base used for derivation of coordinates is the best available among these series: US Air Target Chart, Series 200; AMS; ONC; or DIA JOG, 1:250,000.

The header line for each target contains, reading from left to right, the target name, the geographic coordinates,

the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

NPIC/R-403/66

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), and P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

Approved For Release 2000/04/17 : CIA-RDP78B04560A005700010004-2 THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

1		Coordinates		Target Numbers		
	Target	Coordinates	WAC	BE	NPIC	
X1D	-NORTH VIETNAM- MISSILES HA NOI SAM SITE B07A-2 (148) 25X1D 25X1D 18.3 NM ENE OF HA NOI AT 21-09- N 106-08- E SA-2 SITE, IRREGULAR IN CONFIGURATION, CONSISTS OF 6 REVETTED, UNOCCUPIED LAUNCH POSITIONS AND A REVETTED, UNOCCUPIED CENTRAL GUIDANCE AREA. A PROBABLE ACQUISITION RADAR POSITION IS 750 FT SE OF THE SITE. 25X1A 25X1D	2109N 10609E	0616	25X1A	206 - G1	
	MILITARY INSTALLATIONS DAC CU XU COASTAL DEFENSE SITE U/C 0.5 NM WSW OF CHUNG CAP ON ILE CU XU AT 25X1D COASTAL DEFENSE ARTILLERY SITE UNDER CONSTRUCTION CONSISTS OF 4 ROAD-SERVED CD POSITIONS ON THE SW SIDE OF A KARST RIDGE OVERLOOKING THE GULF OF TONKIN.	2100N 10745E	0615		112	
	25X1D TIEN NHA MILITARY AREA 0.7 NM NORTH OF TIEN NHA AT AREA CONSISTS OF 6 LARGE BARRACKS/STORAGE AND 4 SMALL STORAGE/SUPPORT BUILDINGS DISPERSED IN RAVINES. 25X1D	2119N 10625E	0616		528	

			о видовид 005700010004-2	Target Numbers		
	Target	Coordinates	WAC	BE	NPIC	
X1D X1D X1D	DAO KAP BARRACKS AREAS 1.3 NM NE OF DAO KAP. ARMY BARRACKS CONSISTS OF 3 AREAS. AREA A —————————————————————————————————	2121N 10630E	0616		527	
	STORAGE CANH THUY PROBABLE STORAGE AREA U/C 0.9 NM NW OF CANH THUY AT 25X1D A PROBABLE STORAGE AREA IS UNDER CONSTRUCTION. THIRTY-EIGHT BUILDINGS ARE COMPLETE AND 4 ARE UNDER CONSTRUCTION IN A NARROW VALLEY. A	2112N 10615E	0616		526	
	SECURED PROBABLE ADMINISTRATION AREA CONSISTING OF APPROXIMATELY 20 BUILDINGS AND A PARADE FIELD IS 0.6 NM SOUTH WITHIN AN UNNAMED VILLAGE. 25X1D TAM DY STORAGE AREA 25X1D 1 NM EAST OF TAM DY AT AREA CONTAINS AT LEAST 50 DISPERSED BARRACKS/STORAGE BUILDINGS.	2122N 10627E	0616		527	

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	C 11 .	WAC	Targer Numbers	
Target	Coordinates	WAC	BE	NPIC
-NORTH VIETNAM- MISSILES HA NOI SAM SUPPORT FACILITY FACILITY IS ABANDONED. ALL BUILDINGS ARE DESTROYED OR DISMANTLED. 25X1A 25X1D	2044N 10539E	0616	25X1A	269 - A
HA NOI SAM SITE B17-2 (1) SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS, AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA, 2 OCCUPIED, REVETTED MISSILE-HOLD POSITIONS, AND AN OCCUPIED, REVETTED ACQUISITION RADAR SITE. OB 6 MISSILES ON LAUNCHERS, A FAN SONG RADAR WITH AT LEAST 5 ASSOCIATED VANS, 2 CANVAS-COVERED MISSILE TRANSPORTERS (IN MISSILE-HOLD POSITIONS), AND AN ACQUISITION RADAR. 25X1D	2047N 10554E	0616		114 - G
HA NOI SAM SITE A17A-2 (45) SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS, AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA, 2 OCCUPIED, REVETTED MISSILE—HOLD POSITIONS, 1 UNOCCUPIED MISSILE—HOLD POSITION, AND AN OCCUPIED, REVETTED ACQUISITION RADAR SITE. OB 6 MISSILES ON LAUNCHERS, A FAN SONG RADAR WITH AT LEAST 6 ASSOCIATED VANS, 2 POSSIBLE VANS (IN MISSILE—HOLD POSITIONS), AND AN ACQUISITION RADAR. 25X1A	2052N 10554E	0616		266 - G
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Tgraet	Coordingtes	WAC	Target Numbers		
, or yet	Coordinates	WAC	BE	NPIC	
HA NOI SAM SITE A19-2 (15) SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS, AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA, AND A POSSIBLY OCCUPIED, UNREVETTED ACQUISITION RADAR POSITION. AN ADJACENT SUPPORT AREA CONTAINS 1 BUILDING SERVED BY A LOOP ROAD. OB 6 MISSILES ON LAUNCHERS, A FAN SONG RADAR WITH AT LEAST 6 ASSOCIATED VANS, AND POSSIBLE ACQUISITION RADAR. ACTIVITY 3 UNIDENTIFIED VEHICLES IN SUPPORT AREA. 25X1A	2055N 10550E	0616	25X1A	266 - F	
HA NOI SAM SITE A14-2 (142) SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS AND AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA. OB 6 LAUNCHERS (2 WITH MISSILES) IN REVETMENTS AND A PROBABLE FAN SONG RADAR WITH 2 VANS IN CENTRAL GUIDANCE AREA. 25X1A 25X1D	2056N 10558E	0616		499-B	
NA NOI SAM SITE B12-2 (3) SITE CONSISTS OF 4 OCCUPIED, REVETTED LAUNCH POSITIONS, 2 UNOCCUPIED, REVETTED LAUNCH POSITIONS, AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA, 3 REVETTED MISSILE-HOLD POSITIONS, AND AN OCCUPIED, REVETTED ACQUISITION RADAR POSITION.	2056N 10604E	0616		312-4	

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Target Numbers Target Coordinates WAC NPIC OB -- 4 MISSILES ON LAUNCHERS, 2 POSSIBLE MISSILES ON LAUNCHERS, AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT. 25X1A 25X1D 25X1A HA NOI SAM SITE A11-2 (9) 2100N 10555E 0616 114-I SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS, AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA, 3 REVETTED MISSILE-HOLD POSITIONS, AND AN OCCUPIED, REVETTED ACQUISITION RADAR POSITION. OB -- 5 MISSILES ON LAUNCHERS, 1 LAUNCHER (IN REVETMENT), 1 PROBABLE FAN SONG RADAR AND ASSOCIATED EQUIPMENT, 1 POSSIBLE VAN (IN MISSILE-HOLD POSITION), AND A PROBABLE SPOON REST RADAR. 25X1D HA NOI SAM SITE 307-2 (95) 2108N 10609E 0616 206-G SITE CONSISTS OF 6 UNOCCUPIED, REVETTED LAUNCH POSITIONS AND AN UNOCCUPIED, REVETTED CENTRAL GUIDANCE AREA. ONE OF THE LAUNCH POSITIONS, THE AREA AROUND ALL 6 LAUNCH POSITIONS, AND THE CENTRAL GUIDANCE AREA ARE FLOODED. 25X1D

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Coordinates

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Target Numbers

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Target

NPIC ΒĒ 25X1A HA NOI SAM SITE CO7A-2 (78) 2115N 10616E 0616 238-J 27.4 NM NE OF HA NOI. SITE CONSISTS OF 6 UNOCCUPIED, REVETTED LAUNCH POSITIONS AND AN UNOCCUPIED, REVETTED CENTRAL GUIDANCE AREA. ENTIRE SITE IS FLOODED. 25X1A 25X1D HA NOI SAM SITE CO7-2 (30) 2116N 10619E 0616 238-G SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS, AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA, AND 2 UNOCCUPIED MISSILE-HOLD POSITIONS. OB -- 6 MISSILES ON LAUNCHERS AND A PROBABLE FAN SONG RADAR WITH 2 VANS. 25X1A 25X1D HA NOI SAM SITE CO5-2 (62) 2117N 10605E 0616 206-F SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS AND AN OCCUPIED, REVETTED CENTRAL GUIDANCE AREA. OB -- 6 MISSILES ON LAUNCHERS AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT. 25X1A 25X1D HA NOI SAM SITE CO6-2 (32) 2119N 10615E 0616 238-H SITE CONSISTS OF 6 OCCUPIED, REVETTED LAUNCH POSITIONS AND AN OCCUPIED CENTRAL GUIDANCE

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Target	Coordinates	WAC	BE BE	NPIC
OB 6 MISSILES ON LAUNCHERS AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED VANS. 25X1A 25X1D			25X1A	
1 NM SW OF KEP AT 5,975 X 155 FT NE/SW CONCRETE RUNWAY WITH GRADED EARTH OVERRUNS. A PARALLEL TAXIWAY IS IN EARLY STAGES OF CONSTRUCTION. THE TAXIWAY BEGINS AT THE PARKING APRON AT THE NE END OF AIRFIELD AND JOINS THE NEW APPROXIMATELY 2,100 FT NW/SE TAXIWAY UNDER CONSTRUCTION AT THE SW END OF AIRFIELD WHICH LEADS TO A DISPERSAL AREA. EIGHTEEN LARGE AIRCRAFT REVETMENTS ARE NOW COMPLETE AND 5 ARE IN EARLY—TO—MID*STAGES OF CONSTRUCTION. FOUR TEMPORARY REVETMENTS ARE ON THE PARKING RAMP AT THE NE END OF AIRFIELD. 0B —— 4 FAGOT/FRESCO AND 2 CAB. 25X1A	2124N 10616E	0616		211
MILITARY INSTALLATIONS XOM COI MILITARY CAMP TARGET HAS BEEN SUBJECTED TO AIR STRIKE. THREE CRATERS ARE VISIBLE WITHIN THE SUPPORT AREA NORTH OF THE ROAD AND AT LEAST 2 BUILDINGS ARE DAMAGED. NO CRATERS ARE VISIBLE	2017N 10511E	0616		250

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Target	Coordinates	WAC		Numbers
IN THE BARRACKS AREA SOUTH OF THE ROAD; HOWEVER, AT LEAST 6 BUILDINGS HAVE BEEN DESTROYED OR DISMANTLED. 25X1D			BE	NPIC
VAN TRAI MILITARY AREAS THREE MILITARY AREAS REFERENCED FROM VAN TRAI. AREA A (0.3 NM WEST AT	2052N 10552E	0616		266 - B
THUONG DINH ARMY BARRACKS NORTH 2.2 NM NORTH OF VAN TRAI AT AREA CONTAINS 30 BARRACKS-TYPE, 6 STORAGE-TYPE, 1 ADMINISTRATION, 3 MESSHALL, 2 PROBABLE AMMUNI- TION STORAGE, AND 13 MISCELLANEOUS BUILDINGS. 25X1D	2054N 10551E	0616	25X1A	266
CHU MAU PROBABLE BARRACKS AREA U/C CONSTRUCTION OF BUILDINGS APPEARS COMPLETE. NO ADDITIONAL PORTIONS HAVE BEEN CONSTRUCTED ON THE PROBABLE SECURITY/FLOOD WALL SINCE MISSION 25X1D	2109N 10606E	0616		206 – J _j

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		T	Target N	lumbers
Target	Coordinates	WAC	BE	NPIC
CAM LY AMMUNITION DEPOT 25X1D 2.6 NM ESE OF CAM LY AT DOUBLE-FENCED AREA CONTAINS 11 LARGE, REVETTED	2113N 10624E	0616	25X1A	496
STORAGE BUILDINGS AND 5 OTHER BUILDINGS. 25X1D				
BAC GIANG ARMY BARRACKS NE DINH XUYEN AREA HAS BEEN RETURNED TO CULTIVATION. 25X1A 25X1D	2119N 10615E	0616		238 – A
INDUSTRY				
BAC GIANG CHEMICAL FERTILIZER PLANT CONSTRUCTION OF ALL MAJOR BUILDINGS APPEARS COMPLETE. OVERHEAD PIPES CONNECTING GASOMETERS AND VARIOUS BUILDINGS ARE INCOMPLETE. THE OVERALL CHEMICAL FERTILIZER PLANT IS NOT OPERATIONAL; HOWEVER, SMOKE FROM THE CHIMNEY INDICATES THAT THE THERMAL POWER- PLANT IS OPERATING, AND THE WATER TREATMENT PLANT APPEARS COMPLETE AND OPERATIONAL. 25X1D	2118N 10612E	0616		238-C
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Target	Coordinates	WAC	Target Numbers		
	- Secondinates	WAC .	BE	NPIC	
-NORTH VIETNAM-					
MISSILES			25X1A		
HA NOI SAM SITE B17-2 (1) OB 6 MISSILES ON LAUNCHERS, A FAN SONG RADAR WITH AT LEAST 5 ASSOCIATED VANS, 2 CANVAS-COVERED MISSILE TRANSPORTERS (IN MISSILE-HOLD POSITIONS), AND AN ACQUISITION RADAR. 25X1A 25X1D	2047N 10554E	0616	20/11/	114–G	
HA NOI SAM SITE A17A-2 (45) OB 6 MISSILES ON LAUNCHERS, A FAN SONG RADAR WITH AT LEAST 6 ASSOCIATED VANS, 2 POSSIBLE VANS (IN MISSILE-HOLD POSITIONS), AND AN ACQUISITION RADAR. 25X1D	2052N 10554E	0616		266 - G	
HA NOT SAM SITE A19-2 (15) OB 6 MISSILES ON LAUNCHERS, A FAN SONG RADAR WITH AT LEAST 6 ASSOCIATED VANS, AND A POSSIBLE ACQUISITION RADAR. ACTIVITY 3 UNIDENTIFIED VEHICLES IN SUPPORT AREA. 25X1A 25X1D	2055N 10550E	0616		266 - F	

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	1		Target No	ımbers		
Target	Coordinates	WAC	BE	NPIC		
HA NOI SAM SITE A14-2 (142) OB 6 LAUNCHERS (2 WITH MISSILES) IN REVETMENTS AND A PROBABLE FAN SONG RADAR WITH 2 VANS IN CENTRAL GUIDANCE AREA. 25X1A 25X1D	2056N 10558E	0616	25X1A	499 – B		
HA NOI SAM SITE 12-2 (3) OB 4 MISSILES ON LAUNCHERS, 2 POSSIBLE MISSILES ON LAUNCHERS, AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT. ACTIVITY AT LEAST 3 UNIDENTIFIED VEHICLES. 25X1A	2056N 10604E	0616		312-A		
HA NOI SAM SITE A11-2 (9) OB 5 MISSILES ON LAUNCHERS, 1 LAUNCHER IN REVETMENT, 1 POSSIBLE VAN IN MISSILE- HOLD POSITION, AND A PROBABLE SPOON REST RADAR. 25X1A	2100N 10555E	0616		114-I		
HA NOI SAM SITE CO7-2 (30) OB 6 MISSILES ON LAUNCHERS AND A PROBABLE FAN SONG RADAR WITH 2 VANS. 25X1A 25X1D	2116N 10619E	0616		238-G		

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Target	Coordinates	WAC	BE	NPIC
HA NOI SAM SITE C05=2 (62) OB 6 MISSILES ON LAUNCHERS AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT. 25X1A 25X1D	2117N 10605E	0616	25X1A	206 - F
HA NOI SAM SITE CO6-2 (32) OB 6 MISSILES ON LAUNCHERS AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED VANS. 25X1D	2119N 10715E	0616		238 - H
AIR KEP AIRFIELD OB 4 FAGOT/FRESCO AND 2 CAB. 25X1A 25X1D	2124N 10616E	0616		211
HANOI/BAC MAI AIRFIELD OB 1 CAB AND 3 SMALL STRAIGHT-WING DERELICT AIRCRAFT. 25X1A 25X1D	2059N 10550E	0616		112 - E
HANOI/GIA LAM AIRFIELD OB 11 FAGOT/FRESCO, 3 COKE, 7 CRATE, 4 CAB, 10 COLT, 2 HOOK, AND 11 HOUND. 25X1A 25X1D	2102N 10553E	0616		114

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Target	Coordinates	WAC	Target Numbers		
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IISCELLANEOUS				ļ	
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PREDGES SOUTH OF HA NOI	2059N 10555E				
THREE PROBABLE SOVIET ZRS-1 SUCTION					
DREDGES ARE OPERA- 25X1D TIONAL IN A CANAL LEADING TO A DAM					
FROM THE RED RIVER APPROXIMATELY 3					
NM SOUTH OF HA NOI.	ľ				
25X1D					
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